

GIS REGISTRY INFORMATION

SITE NAME: STURM & JENSEN INC
 BRRTS #: 03-69-000804
 CLOSURE DATE: 10/07/2002
 STREET ADDRESS: 1009 DEPOT STREET
 CITY: MANAWA

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):

X= 605335 Y= 442949

OFF-SOURCE CONTAMINATION (>ES):

☒ Yes

☐ No

IF YES, STREET ADDRESS 1: CITY LOTS 6 & 7 OF BLOCK 12 OF RAILROAD ADDITION

GPS COORDINATES (meters in WTM91 projection):

X= 605314 Y= 442955

SOIL CONTAMINATION >GENERIC OR SITE-SPECIFIC RCL:

☒ Yes

☐ No

IF YES, STREET ADDRESS 1: 1009 DEPOT STREET

SEE SOIL DEED RESTRICITON

CONTAMINATION IN RIGHT OF WAY:

☐ Yes

☒ No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued

☒

Copy of most recent deed, including legal description, for all affected properties

☒

Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties

☒

County Parcel ID number, if used for county, for all affected properties

☐

Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.

☒

Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or site-specific residual contaminant levels.

☒

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)

☒

Tables of Latest Soil Analytical Results (no shading or cross-hatching)

☐

Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy).

The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.

☒

GW: Table of water level elevations, with sampling dates, and free product noted if present

GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)

SOIL: Latest horizontal extent of contamination exceeding generic or site-specific RCLs, with one contour.

Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)

RP certified statement that legal descriptions are complete and accurate

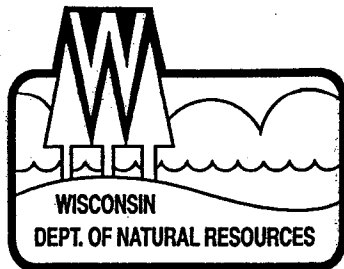
Copies of off-source notification letters (if applicable)

Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)

Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure.*

X
X
X
X
X

See Deed Restriction



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Department of Natural Resources
Oshkosh Office
625 E. County Rd. Y, Suite 700
Oshkosh, WI 54901
Telephone 920-424-3050
FAX 920-424-4404

October 7, 2002

Sturm and Jensen Bulk Plant
Mr. Doug Pink
PO box 548
Lancaster, WI 54913

SUBJECT: Final Case Closure By Closure Committee
Sturm and Jensen Bulk Plant, WDNR BRRTS #: 03-69-000804

Dear Mr. Pink:

On April 8, 2002 the Northeast Region Closure Committee reviewed the site above for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

On October 4, 2002, the Department received correspondence indicating that you have complied with the conditions of closure. Based on the correspondence and data provided, it appears that your case meets the screening criteria of s. NR 746.07 or s. NR 746.08, Wis. Adm. Code, and the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

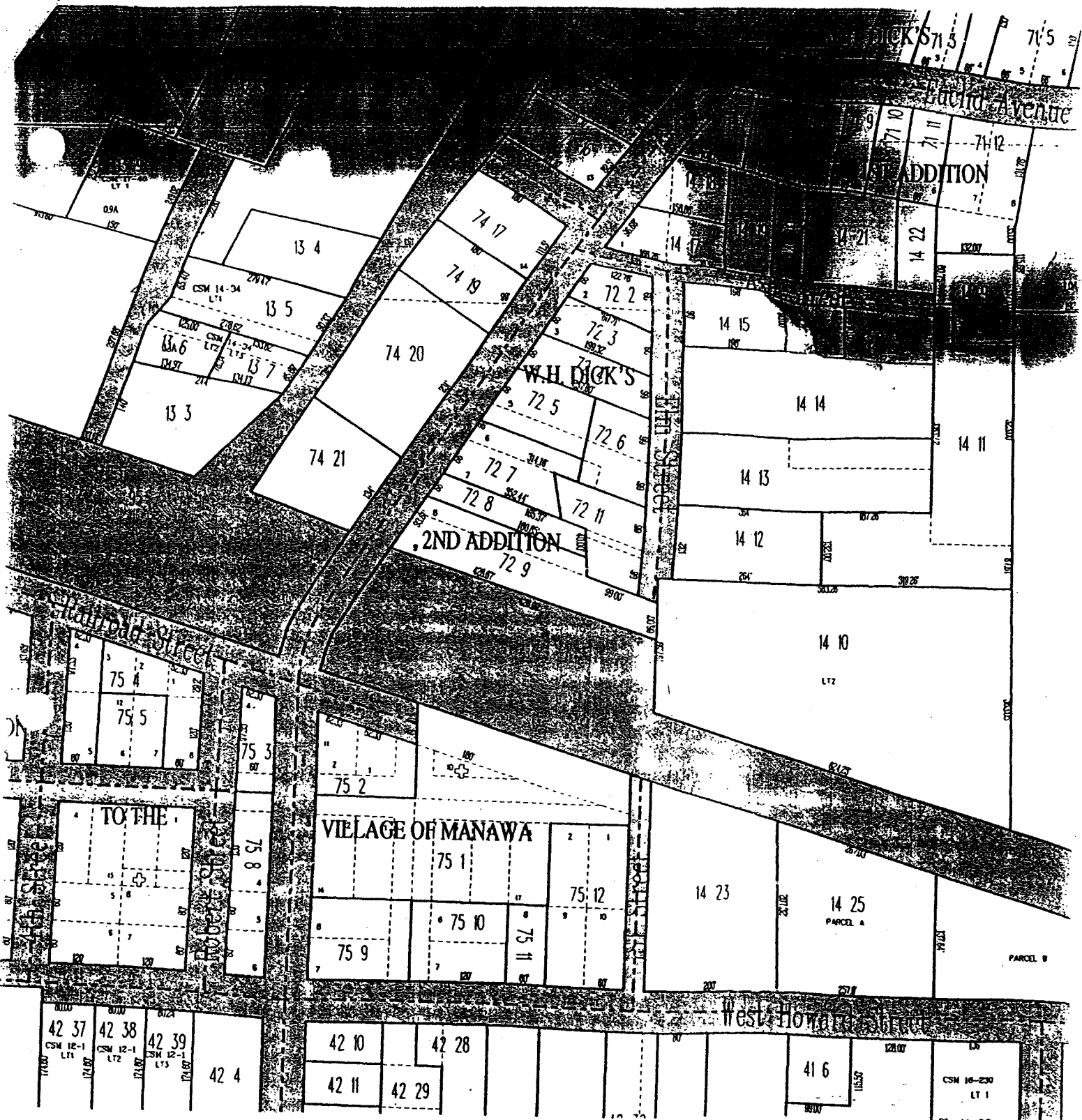
If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

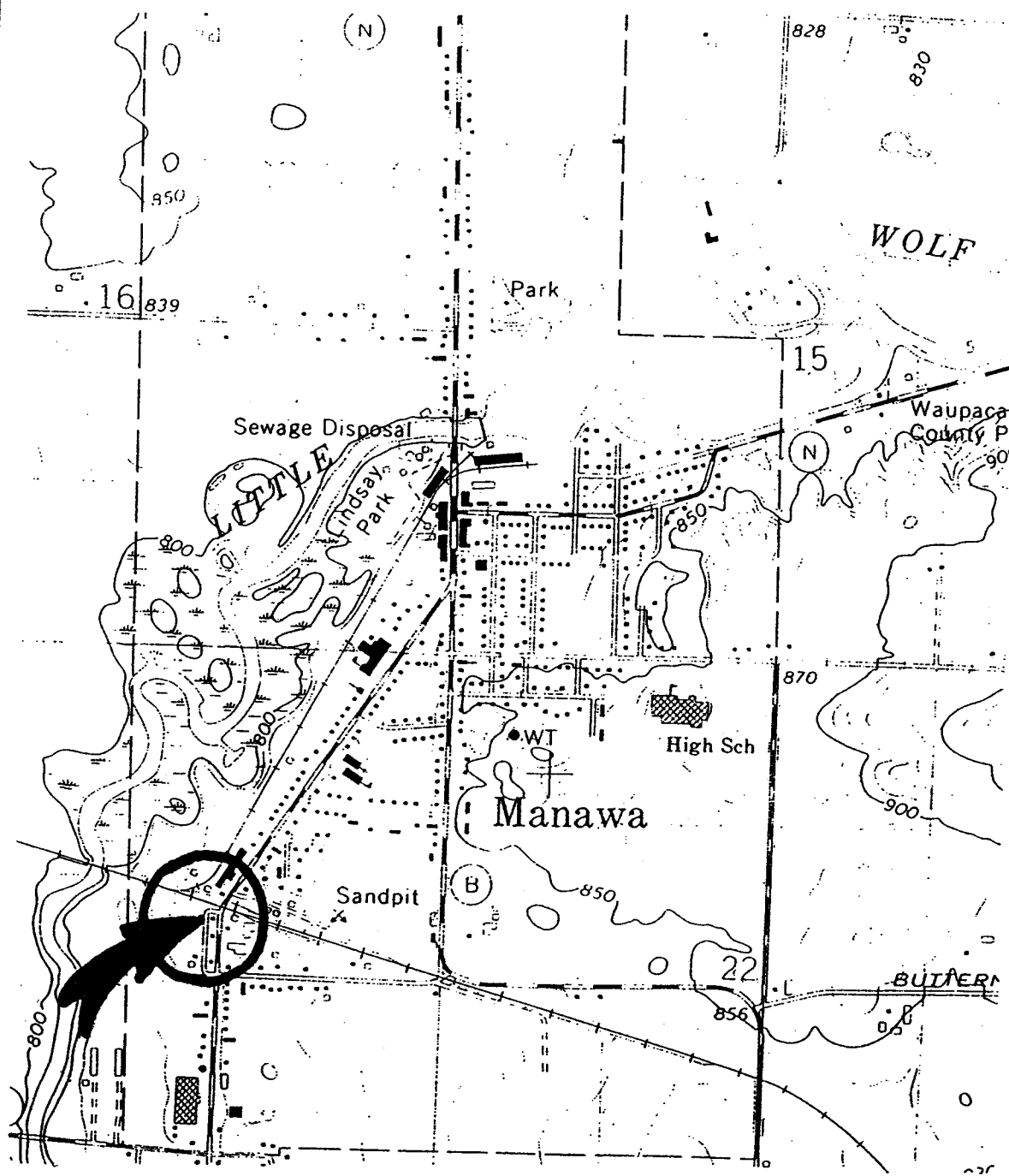
Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-303-5435.

Sincerely,

Cheryl Laatsch
Hydrogeologist
Bureau for Remediation & Redevelopment





**ENVIRONMENTAL
ASSESSMENTS,
INC.**

Project/Client

**SITE LOCATION MAP
REGIONAL SCALE
STURM & JENSEN
MANAWA BULK PLANT**

Figure No.

1

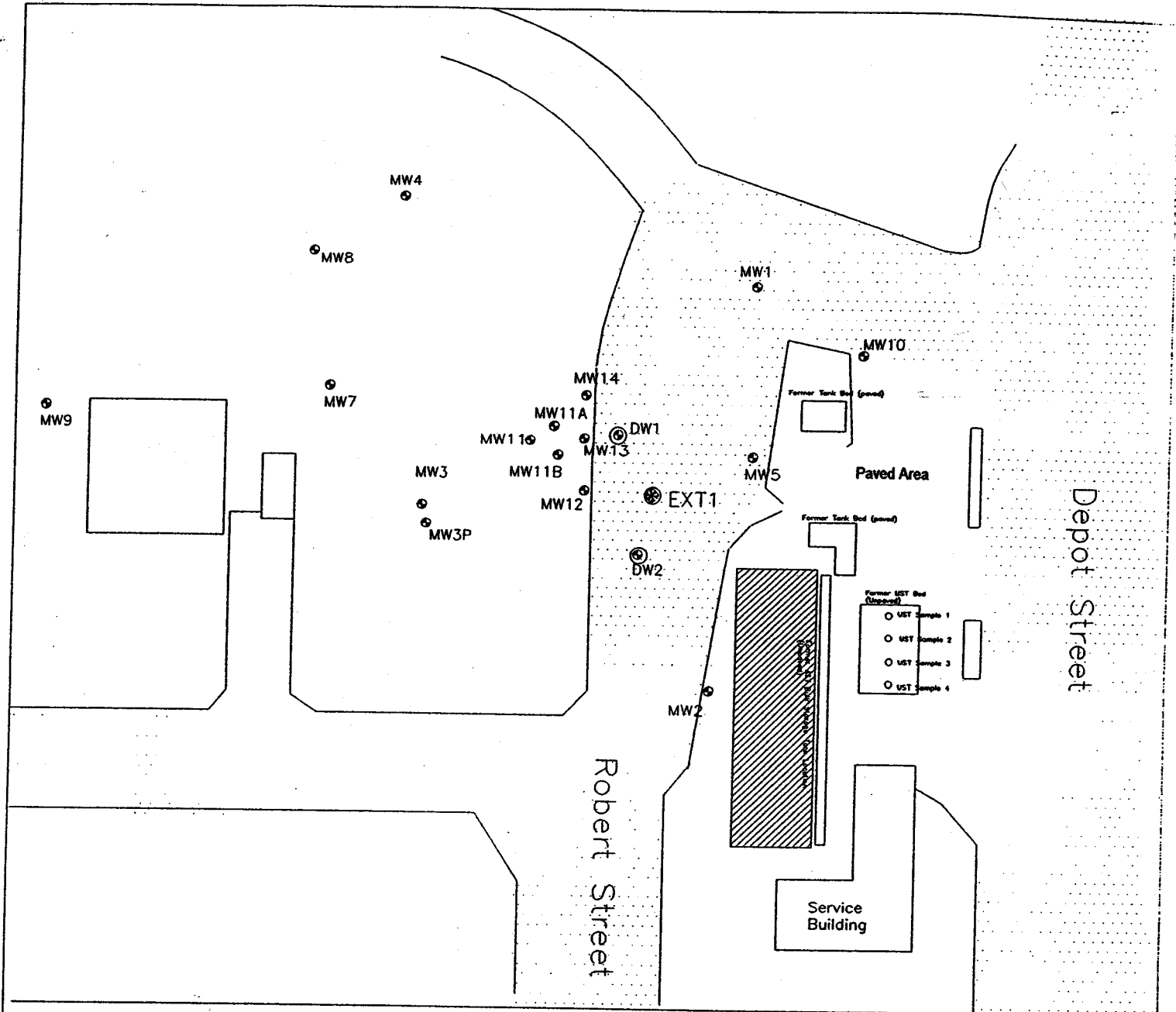
Drawn By

ALS

Scale

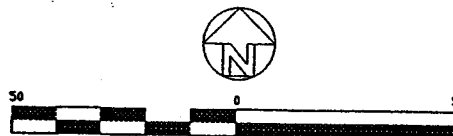
NTS

Project No.



Legend

- Extraction Well 1 Location for oxygen delivery (EXT1)
- Specified oxygen delivery well
- Current Monitoring Well Location
- Area of Groundwater Contamination Exceeding NR 140 PAL



ENVIRONMENTAL
ASSESSMENTS, INC.
APPLETON, WISCONSIN

PROJECT/CLIENT

Sturm and Jensen

TITLE

Site Layout Map showing
Location of UST Removal
Soil Sample Locations

DRAWN BY

Victoria A. Flowers

SCALE

1" = 50'

FIGURE NO. 6

Groundwater Laboratory Sampling Results

MW2	Top of Screen Elevation 800.75				Top of Pipe Elevation 825.29			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
05/03/99	<0.32	<0.34	<0.31	<0.35	<0.88	<1	<0.64	800.44	24.85
01/11/00	<0.32	<0.34	<0.31	<0.35	<0.88	<1	<0.64	799.75	25.54
08/15/00	<0.39	<0.4	<0.47	<0.37	<0.53	<1.4	<0.63	801.01	24.28

MW3	Top of Screen Elevation 799.57				Top of Pipe Elevation 826.37			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
12/18/92	<0.6	<2	<0.9	<2	<4.7	<1.5	<3.5	800.67	25.70
11/25/00	<0.39	<0.4	<0.47	<0.37	<0.53	<0.63	<0.79	799.77	26.60
03/19/01	<0.39	<0.4	<0.47	<0.37		<1.4	<0.63	799.77	26.6
12/05/01	<0.21	<0.22	<0.46	<0.41	<0.69	0.32	<0.34	800.75	25.62

MW3P	Top of Screen Elevation 789.65				Top of Pipe Elevation 826.44			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
12/18/92	<0.6	<2	<0.9	<2	<4.7	<1.5	<3.5	800.67	25.77
11/25/00	<0.39	<0.4	<0.47	<0.37	<0.53	<0.63	<0.79	799.75	26.69
03/19/01	<0.39	<0.4	<0.47	<0.37		<1.4	<0.63	799.75	26.69
12/05/01	<0.21	<0.22	<0.46	<0.41	<0.69	<0.43	<0.34	800.74	25.7

MW5	Top of Screen Elevation 800.97				Top of Pipe Elevation 825.66			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
10/14/92	<3	50	<5	184	20	511			
12/18/92	<3	62	<5	175	31	735			
09/05/95	<3	100	<5	56	100	1230			
01/22/96	<0.3	220	<0.3	85		2480		801.14	24.52
05/29/96	<3.2	220	<2.8	62	150	1990			
10/20/97	<0.5	601	<0.92	27	415	6030		800.94	24.72
02/03/99	<2.3	230	<3.1	78	260	3000	1450	799.74	25.92
05/03/99	<6.4	260	<6.2	14	280	4200	1730	800.36	25.30
01/11/00	<0.32	160	<3.1	14	170	1890	900	799.71	25.95
08/15/00	<0.39	86	<0.47	14	120	1200	560	800.96	24.70
11/25/00	<0.39	51	<0.47	2.8	74	620	510	801.11	24.55
03/19/01	<7.8	170	<9.4	7.6		1600	1320	800.42	25.24
06/18/01	<2.1	260	<4.6	<4.1		2970	2600	800.31	25.35
09/28/01	<11	110	<23	<21	120	1320	860	801.61	24.05
12/05/01	<0.21	56	<0.46	3	100	560	530	801.11	24.55

MW7	Top of Screen Elevation 798.9				Top of Pipe Elevation 826.05			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
12/18/92	3.7	35	<5	9.2	27	155			
09/05/95	14	110	<5	38	120	920			
01/22/96	4.7	4.1	<0.2	1.9		62		800.17	25.88
05/29/96	5.1	29	<0.5	7.2	20	327		791.35	34.7
07/11/96	0.7	<0.3	<0.2	<0.2	1.8	4.1			
10/20/97	55	4.8	<0.92	1	22	25		800.15	25.90
11/04/97	49	22	<0.92	5.6		265			
04/21/98	14	19	<0.92	4.4	63	124		800.73	25.32
07/14/98	75.3	27.7	<0.92	39.1	46.2	172		800.13	25.92
10/26/98	32	9.5	<0.92	1.6	30	108	39	799.8	26.25
02/03/99	21	16	<0.31	1.9	15	100	39	799.91	26.14
05/03/99	25	8.5	<0.31	1.5	14	90	33	799.95	26.10
07/06/99	29	25	<0.31	7	63	390	174	799.5	26.55
10/09/99	92	18	6.1	6	54	189	101	800.22	25.83
02/21/00	42	31	<16	<18		280	167	799.63	26.42
03/22/00	82	18	8.1	7.9	83	130	138	800.52	25.53
08/15/00	160	13	12	3.6	28	110	72	800.22	25.83
03/19/01	110	9.2	1.7	2.5		120	51	799.63	26.42
06/18/01	13	0.59	0.6	<0.41		2.7	1.16	801.23	24.82
09/28/01	45	5.5	<0.46	<0.41	9.3	53	16.3	800.8	25.25
12/05/01	26	<0.22	<0.46	<0.41	<0.69	1	<0.34	800.62	25.43
NR 140 PAL	0.5	140	12	200	8	1000	96		
NR 140 ES	5	700	60	1000	40	10,000	480		

Notes:

All results are in parts per billion (ppb)

MTBE = Methyl-tert-butyl-ether

TMB = Trimethylbenzenes

Results in *italics* indicate NR 140 Preventative Action Limit Exceedence

Results in **bold** indicate NR 140 Enforcement Standard Exceedence

MW8	Top of Screen Elevation 798.79				Top of Pipe Elevation 825.6			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
12/18/92	1.8	<0.3	<0.3	<0.5	<1	<1			
09/05/95	<0.6	<0.3	<0.3	<0.5	<1	<1			
01/22/96	0.6	43	<0.3	19		180		800.34	25.26
05/29/96	<0.3	<0.3	<0.3	<0.3	6.1	0.3		793.1	32.5
10/26/98	<0.5	35	<0.92	14	34	207	72		25.46
05/03/99	<0.32	0.6	<0.31	<0.35	<0.88	2.9	1.6	799.93	25.67
08/15/00	<0.39	3.5	<0.47	0.48	3.2	16	17.8	800.39	25.21
12/05/01	<0.21	2.5	<0.46	0.69	0.93	31	13.7	800.68	24.92

MW11	Top of Screen Elevation 807.25				Top of Pipe Elevation 828.14			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
05/01/96	25	2.3	<0.92	4.9	21	26.4		801.64	26.50
07/11/96	<0.5	<0.6	<0.92	<0.6	5.7	2.1		802.27	25.87
08/12/96	32	1.7	<0.92	7.6	4.4	24		801.94	26.20
10/16/96	38	5.7	<0.92	11	42	76		801.42	26.72
12/20/96	17	3.8	<0.92	6	29	42		801.64	26.50
01/22/97	22	7.3	<0.92	8	55	74		801.42	26.72
02/20/97	13	3.5	<0.92	6.8	48	100		800.67	27.47
03/21/97	22	12	0.5	12	47	127		801.29	26.85
05/02/97	4.5	4.2	<0.92	3.2	700	300		801.92	26.22
06/18/97	8.3	7.1	3.1	16	7.2	82		801.84	26.30
08/26/97	6	5.3	3.3	32	6.4	58		801.72	26.42
09/18/97	5.2	2.4	5.7	3.9	28	32		801.4	26.74
04/21/98	4.7	7.1	<0.92	7.5	45	93		801.24	26.90
07/14/98	2.76	6.03	<0.92	5.26	16.8	83.3		801.34	26.80
10/26/98	4.7	9.2	<0.92	7.6	56	112	38	800.8	27.34
02/03/99	7.7	11	<3.1	12	40	140	39	800.91	27.23
05/03/99	5	7.1	<0.31	6.6	26	100	26	801.02	27.12
07/06/99	4.8	8.3	<0.31	6.5	28	100	26.3	800.55	27.59
10/09/99	4.2	12	<0.21	6.9	37	152	35	800.01	28.13
01/11/00	5.2	11	<0.31	8.1	37	162	37	801.02	27.12
03/22/00	4.9	5.3	<0.47	2.8	16	54	10.6	801.55	26.59
08/15/00	5.9	13	<0.47	7	48	150		800.74	27.40
11/25/00	7	9.3	<0.47	6.9	38	131	30	801.55	26.59
03/19/01	8.4	19	<0.47	10		62	220	800.74	27.4
06/18/01	3.8	6.9	<0.46	2.6		69	21.7	802.34	25.8
09/28/01	5.5	13	<0.46	5.6	45	189	44	801.52	26.62
12/05/01	0.29	2.2	<0.46	0.73	5.3	16.9	5.8	801.72	26.42

MW11A	Top of Screen Elevation 778.25				Top of Pipe Elevation 828.12			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
05/01/96	<0.5	0.5	<0.92	<0.6	4.6	1.3		801.28	26.84
07/11/96	<0.5	<0.6	<0.92	<0.6	2.5	<1.7		801.95	26.17
08/12/96	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.56	26.56
10/16/96	<0.5	<0.6	<0.92	<0.6	1.4	<1.7		801.13	26.99
12/20/96	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.3	26.82
01/22/97	<0.5	<0.6	<0.92	<0.6	1	<1.7		801.09	27.03
02/21/97	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		800.3	27.82
05/02/97	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.6	26.52
04/21/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.42	26.70
07/14/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801	27.12
10/26/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7	<1.7	800.46	27.66
02/03/99	<0.32	<0.34	<0.31	<0.35	<0.8	<1	<0.64	800.69	27.43
07/06/99	<0.25	<0.32	<0.31	<0.38	<0.73	<1	<70	800.21	27.91
10/09/99	<0.25	<0.32	<0.31	<0.38	<0.73	<1	<70	799.7	28.42
01/11/00	<0.32	<0.34	<0.31	<0.35	<0.88	<1	<0.64	801	27.12
03/22/00	<0.39	<0.4	<0.47	<0.37	<0.53	<1.4	<0.63	799.7	28.42
08/15/00	<0.39	<0.4	<0.47	<0.37	<0.53	<1.4	<0.63	801	27.12
12/05/01	<0.21	<0.22	<0.46	<0.41	<0.69	<0.43	<0.34	801.39	26.73
NR 140 PAL	0.5	140	12	200	8	1000	96		
NR 140 ES	5	700	60	1000	40	10,000	480		

Notes:

All results are in parts per billion (ppb)

MTBE = Methyl-tert-butyl-ether

TMB = Trimethylbenzenes

Results in *italics* indicate NR 140 Preventative Action Limit Exceedence

Results in **bold** indicate NR 140 Enforcement Standard Exceedence

MW11B	Top of Screen Elevation 790.25				Top of Pipe Elevation 828.15			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
05/01/96	<0.5	<0.6	<0.92	<0.6	5	4		801.3	26.85
07/11/96	<0.5	<0.6	<0.92	<0.6	5.4	1		801.98	26.17
08/12/96	<0.5	<0.6	<0.92	<0.6	2.3	1		801.6	26.55
10/16/96	<0.5	<0.6	<0.92	<0.6	8.7	<1.7		801.16	26.99
12/20/96	<0.5	<0.6	<0.92	<0.6	5.6	<1.7		801.65	26.50
01/22/97	<0.5	<0.6	<0.92	<0.6	9.5	<1.7		801.1	27.05
02/21/97	<0.5	<0.6	<0.92	<0.6	1.4	<1.7		800.35	27.80
05/02/97	<0.5	<0.6	<0.92	<0.6	4.6	<1.7		801.62	26.53
04/21/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.47	26.68
07/14/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7		801.03	27.12
10/26/98	<0.5	<0.6	<0.92	<0.6	<2.8	<1.7	<1.7	800.49	27.66
02/03/99	<0.32	<0.34	<0.31	<0.35	<0.8	<1	<0.64	799.71	28.44
01/11/00	<0.32	<0.34	<0.31	<0.35	<0.88	<1	<0.64	801.02	27.13
03/22/00	<0.39	<0.4	<0.47	<0.37	<0.53	<1.4	<0.63	799.71	28.44
08/15/00	<0.39	<0.4	<0.47	<0.37	<0.53	<1.4	<0.63	801.02	27.13
12/05/01	<0.21	<0.22	<0.46	<0.41	<0.69	<0.43	<0.34	801.41	26.74

MW12	Top of Screen Elevation 800.25				Top of Pipe Elevation 828.11			Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB		
05/01/96	36	9.4	<0.92	7	94	118		801.05	27.06
07/11/96	56	<0.6	4.2	<0.6	49	34		801.69	26.42
08/12/96	170	9.1	3.4	3.7	63	76		801.33	26.78
10/16/96	190	100	<0.92	3.1	85	82		800.81	27.30
12/20/96	180	15	<0.92	3	110	126		801.01	27.10
01/22/97	150	12	0.2	2.4	110	95		800.68	27.43
02/21/97	180	9.2	<0.92	1.7	89	73		800	28.11
03/20/97	200	97	<0.92	3.2	85	96		800.63	27.48
05/02/97	100	8.5	<0.92	2	71	71		801.27	26.84
06/18/97	160	9.3	0.55	61	1.8	74		801.06	27.05
06/26/97	130	9.2	<0.92	68	1.7	72		800.79	27.32
08/26/97	120	7.4	1.8	700	2.1	64		800.71	27.40
09/18/97	175	11	3.2	2.6	101	91		801.13	26.98
10/20/97	90	6.3	4	1.8	78	40		800.71	27.40
04/21/98	118	7.7	<0.92	1.4	62	57		800.14	27.97
07/14/98	116	90.4	<0.92	27.8	67.5	168		800.25	27.86
10/26/98	111	12	<0.92	3.1	86	98	71	800.36	27.75
02/03/99	100	15	<0.31	4.1	95	110	87	800.36	27.75
05/03/99	86	8.3	<0.31	6.3	85	100	73	799.4	28.71
07/06/99	93	7.2	<0.31	4	57	56	47	800.69	27.42
10/09/99	120	12	0.58	6.1	90	101	69	801.52	26.59
01/11/00	64	11	<0.31	4.7	100	99	78	800.12	27.99
03/22/00	130	20	<0.47	7.9	160	190	132	799.4	28.71
08/15/00	77	10	<0.47	5.2	78	79	60	800.69	27.42
11/25/00	74	9.3	<0.47	6.2	88	103	68	801.52	26.59
03/19/01	80	14	<0.47	6.8		110	88	800.12	27.99
06/18/01	31	2.3	<2.3	2.2		12	20.3	801.69	26.42
09/28/01	67	11	<0.46	7.4	53	122	54	801.32	26.79
12/05/01	6.7	3	<0.46	4.9	16	25	23.6	801.07	27.04
NR 140 PAL	0.5	140	12	200	8	1000	96		
NR 140 ES	5	700	60	1000	40	10,000	480		

Notes:

All results are in parts per billion (ppb)

MTBE = Methyl-tert-butyl-ether

TMB = Trimethylbenzenes

Results in *italics* indicate NR 140 Preventative Action Limit Exceedence

Results in **bold** indicate NR 140 Enforcement Standard Exceedence

MW13	Top of Screen Elevation				800.08	Top of Pipe Elevation			827.96	Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB				
05/01/96	<0.5	62	<0.92	9.5	70	787			801.03	26.93	
07/11/96	4.2	120	<0.92	21	110	1230			801.66	26.30	
08/12/96	9.8	170	<0.92	29	150	1480			801.3	26.66	
10/16/96	8.3	120	<0.92	20	160	1170			800.81	27.15	
12/20/96	26	140	<0.92	21	160	1002			801	26.96	
01/22/97	10	87	<0.92	21	150	670			800.76	27.20	
02/21/97	1.5	120	<0.92	20	130				800	27.96	
05/02/97	2.9	70	<0.92	6.1	130	630			801.27	26.69	
06/18/97	11	69	<0.92	98	15	630			801.07	26.89	
08/26/97	6.7	51	6.7	87	14	500			800.76	27.20	
09/18/97	10	75	9.7	17	141	760			801.12	26.84	
04/21/98	1.5	46	<0.92	6.7	93	334			801.24	26.72	
07/14/98	14.4	99.7	<0.92	33.3	77.7	581			800.14	27.82	
10/26/98	4.9	50	<0.92	8.6	102	357	134		800.24	27.72	
02/03/99	4.7	60	<0.31	13	100	510	168		800.36	27.60	
05/03/99	3.9	53	<0.31	13	89	520	154		799.88	28.08	
07/06/99	3.3	42	<0.31	15	70	340	108		799.39	28.57	
10/09/99	1.9	49	<0.21	13	84	390	151		800.69	27.27	
01/11/00	2.5	35	<0.31	8.4	59	299	135		800.88	27.08	
03/22/00	3.7	110	<0.47	12	140	1000	213		800.13	27.83	
08/15/00	2.1	51	<0.47	11	70	440	126		801.15	26.81	
11/25/00	<0.39	55	<0.47	7.7	74	460	152		800.88	27.08	
03/19/01	2.2	66	<0.47	22		540	132		800.13	27.83	
06/18/01	<0.21	3.7	<0.46	1.2		22	18		801.7	26.26	
09/28/01	0.78	80	<0.46	11	77	600	101		801.32	26.64	
12/05/01	1	41	<0.46	6.6	57	320	77		801.1	26.86	

MW14	Top of Screen Elevation				800.13	Top of Pipe Elevation		827.96	Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB			
05/01/96	<0.5	65	<4.6	65	120	1590			801.26	26.70
07/11/96	<0.5	37	<4.6	29	94	1830			801.9	26.06
08/12/96	<0.5	280	<4.6	150	200	2640			801.54	26.42
10/16/96	<0.5	280	<4.6	91	270	2760			801.05	26.91
12/20/96	<0.5	160	<4.6	55	21	1690			801.23	26.73
01/22/97	2.6	87	<4.6	31	160	980			800.96	27.00
02/21/97	<0.5	130	<4.6	110	170	1700			800.23	27.73
05/02/97	<0.5	150	<4.6	29	280	1630			801.49	26.47
06/18/97	2.4	120	<4.6	130	52	1410			801.28	26.68
08/26/97	1.9	140	<4.6	200	36	1710			801.14	26.82
09/18/97	1.2	131	<4.6	40	226	1612			801.34	26.62
04/21/98	0.71	67	<4.6	53	203	849			800.96	27.00
07/14/98	<0.5	106	<4.6	41.1	126	1180			800.78	27.18
10/26/98	<2.5	122	<4.6	16	192	1205	694		800.36	27.60
02/03/99	<0.32	60	<0.31	20	190	1300	870		800.46	27.50
05/03/99	<3.2	80	<0.31	20	170	1100	620		800.59	27.37
07/06/99	<0.32	110	<0.31	44	140	1400	570		800.11	27.85
10/09/99	<1.3	100	<1.1	30	150	1140	760		799.62	28.34
01/11/00	<3.2	60	<3.1	22	150	1100	750		800.91	27.05
03/22/00	<7.8	180	<9.4	34	290	2700	1060		801.1	26.86
08/15/00	<0.39	89	<0.47	3.1	91	1000	560		800.34	27.62
11/25/00	<0.39	62	<0.47	11	160	1240	730		801.1	26.86
03/19/01	<2	70	<2.4	13		780	510		800.34	27.62
06/18/01	<1.1	16	<2.3	4.6		250	240		801.92	26.04
09/28/01	<2.1	80	<4.6	7.4	130	1470	610		801.51	26.45
12/05/01	<2.1	67	<4.6	6.9	190	1060	910		801.28	26.68

DW1	Top of Screen Elevation				800.3	Top of Pipe Elevation			825.01	Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB				
03/21/97	<0.5	33	<0.92	14	29	188		800.69	24.32		
05/03/99	<0.32	0.34	<0.31	<0.35	<0.88	1.2	0.91	800.53	24.48		
07/06/99	1.7	43	4.5	25	55	290	56	825.01			
10/09/99											

DW2	Top of Screen Elevation				800.39	Top of Pipe Elevation			824.93	Groundwater Elevation	Depth to Groundwater
Date	Benzene	Ethylbenzene	MTBE	Toluene	Naphthalene	Xylenes	TMB				
03/21/97	52	51	<0.92	140	130	420		800.72	24.21		
07/06/99	<0.32	12	<0.31	1.2	8.8	78	7.4	800.34	24.59		
NR 140 PAL	0.5	140	12	200	8	1000	96				
NR 140 ES	5	700	60	1000	40	10,000	480				

Notes:

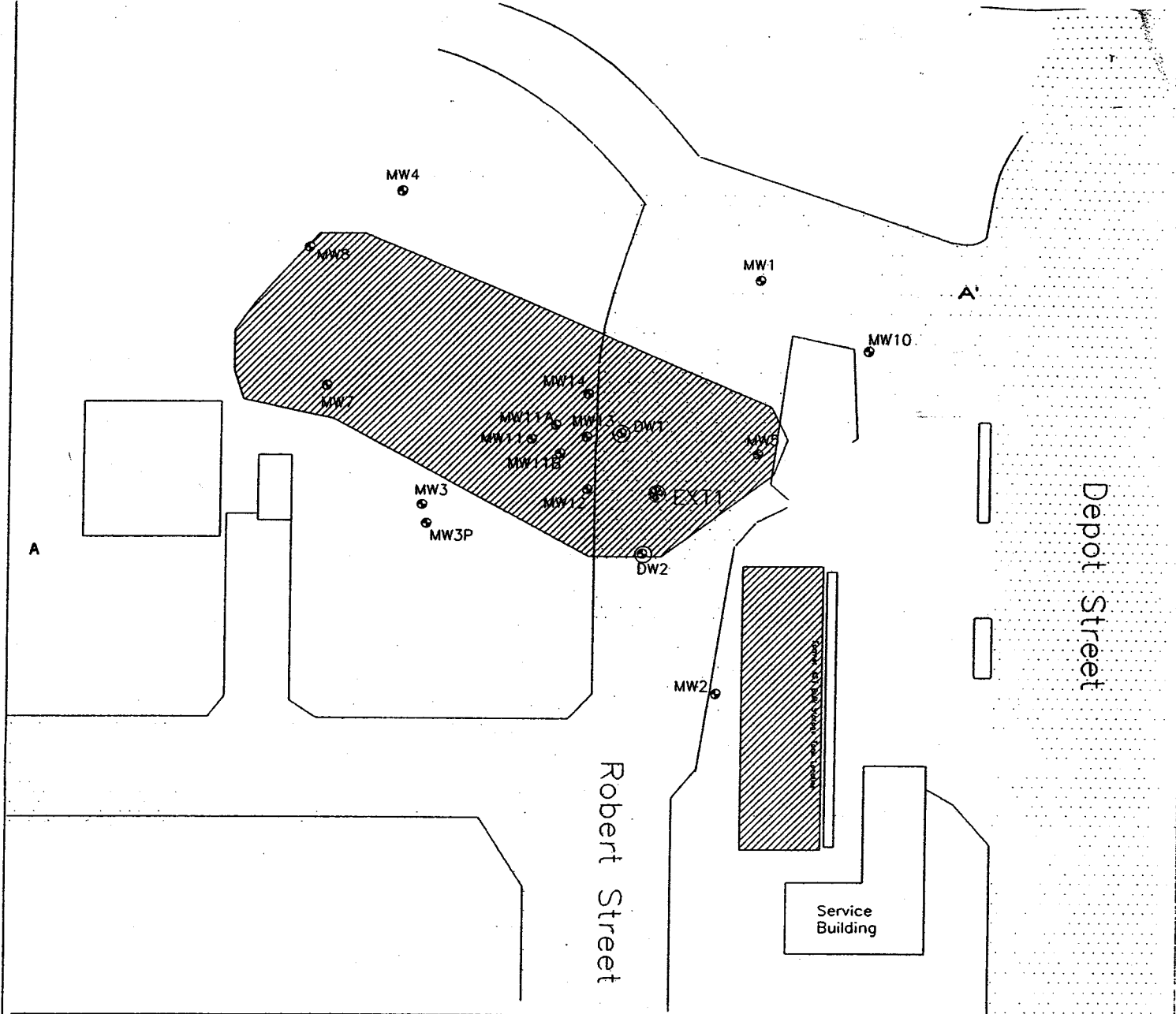
All results are in parts per billion (ppb)

MTBE = Methyl-tert-butyl-ether

TMB = Trimethylbenzenes

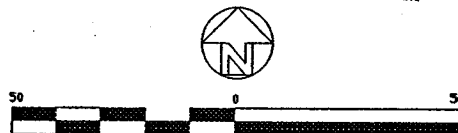
Results in *italics* indicate NR 140 Preventative Action Limit Exceedance

Results in **bold** indicate NR 140 Enforcement Standard Exceedance



Legend

- Extraction Well 1 Location for oxygen delivery (EXT1)
- Specified oxygen delivery well
- Current Monitoring Well Location
- Area of Groundwater Contamination Exceeding NR 140 ES



ENVIRONMENTAL
ASSESSMENTS, INC.
APPLETON, WISCONSIN

PROJECT/CLIENT

Sturm and Jensen

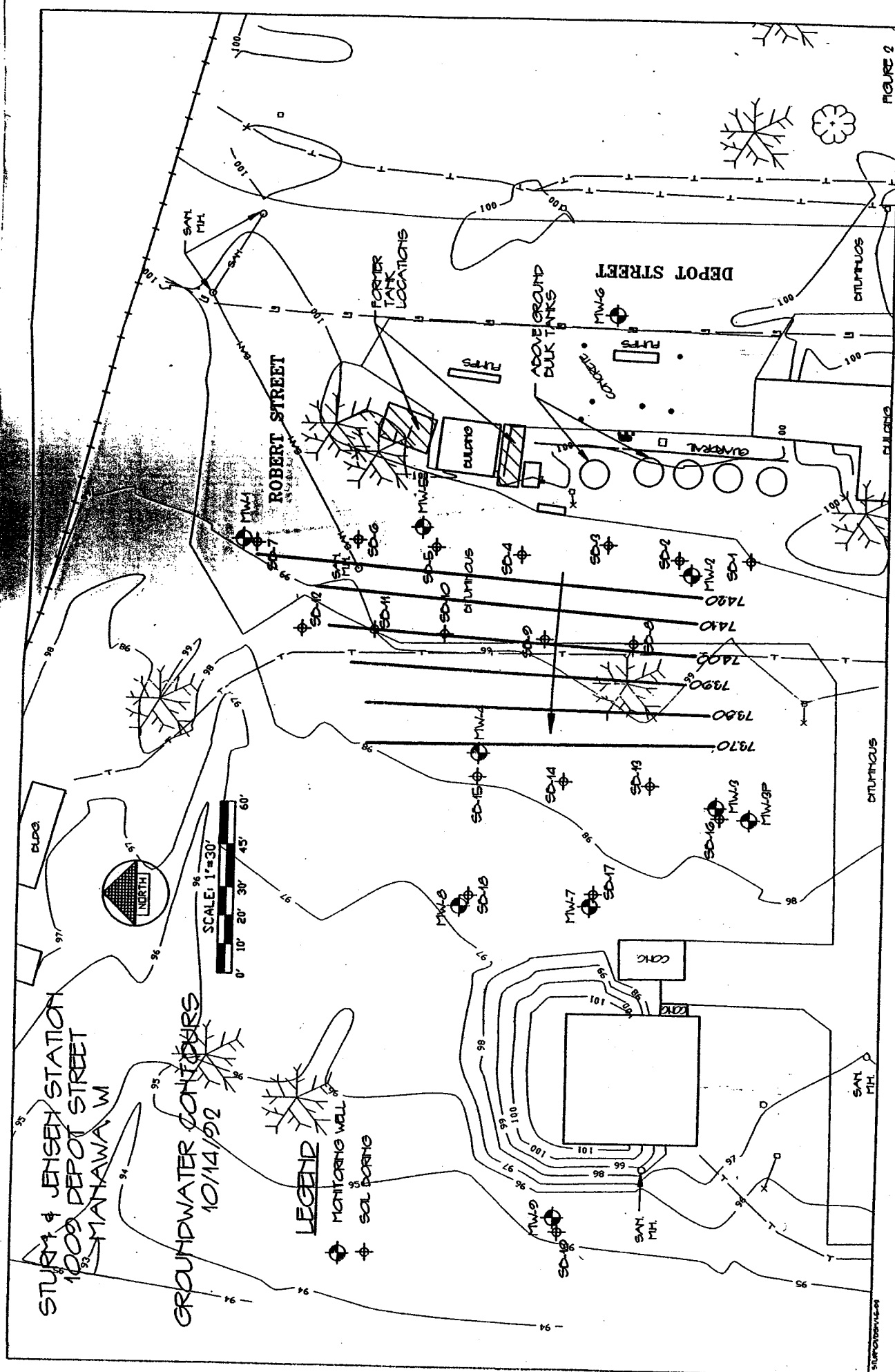
TITLE

Site Layout Map showing
Groundwater Contamination
Plume

DRAWN BY *Victoria A. Flowers*

SCALE 1" = 50'

FIGURE NO. 5





ENVIRONMENTAL
ASSESSMENTS, INC.

February 19, 2002

Ms. Cheryl Hass
City Clerk
Manawa City Hall
P.O. Box 248
Manawa, WI 54949

RE: Request for Groundwater GIS restriction

Dear Ms. Hass;

This letter is a requirement for closure. Please read and contact me if you have any questions.

Groundwater contamination that appears to have originated on the property located at 1009 Depot Street, Manawa, Wisconsin has migrated onto your property located known as Lot 6 and 7 of Block 12, of the Railroad Addition to the Village now City of Manawa and an easement for a sewer line across Lot 3 of said Block 12 whose center line lies 6 feet East and parallel to the West line of said Lot 3. The levels of benzene, ethylbenzene, toluene, trimethylbenzenes and xylenes, contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirement for case closure that are found in chapter NR 726 Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of the groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6067 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 1:- Guidance for Dealing the Properties Affected by Off-Site Contamination.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you

should mail that information to: Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54116.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at (920) 749-9746 or you may contact Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54116 (715) 526- 4230.

Sincerely,

ENVIRONMENTAL ASSESSMENTS, INC.



Victoria Flowers

Hydrogeologist/Project Manager

attachment

cc: file

Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54116

Mr. Doug Pink, Haskins Gas & Oil Company, Inc., P.O. Box 548 Lancaster, WI 53813

**CITY OF MANAWA
PO BOX 248
MANAWA WI 54949**

July 18, 2002

Environmental Assessments, Inc.
PO Box 9127
Appleton, WI 54911

ATTN: Victoria Flowers

Dear Ms. Flowers,

The City of Manawa received your letter providing notification that there is a presence of groundwater contamination in the ROW of Roberts Streets and the lot West of Roberts St. adjacent to municipal supply well number 3.

This has been duly recorded at the City Clerk's officer at 500 S. Bridge St., Manawa.

It is further understood that this contamination is recorded with the State of Wisconsin GIS registry system.

Sincerely,


Cheryl Hass, City Clerk

CITY OF MANAWA
PO BOX 248
500 S. BRIDGE ST
MANAWA, WI 54949
920-596-2577

March 13, 2002

ENVIRONMENTAL ASSESSMENTS, INC,
VICTORIA FLOWERS
PO BOX 9127
APPLETON, WI 54911


Dear Ms. Flowers,

I received your letter dated February 19, 2002 regarding ground water contamination that has migrated from 1009 Depot Street onto City Lots 6 and 7 of Block 12 of the Railroad Addition to the Village now City of Manawa.

I also certify that that is City property.

Please let me know if I need to do anything further.

Sincerely,


Cheryl Hass, City Clerk



ENVIRONMENTAL
ASSESSMENTS, INC.

February 19, 2002

Mr. Steven Holzbauer
406 N. Bridge Street
Manawa, WI 54949

RE: Notification of Groundwater GIS restriction at 1009 Depot St., Manawa, WI

Dear Mr. Holzbauer;

This letter is a requirement for site closure. Please read and contact me if you have any questions.

Groundwater contamination is present at the property located at 1009 Depot Street, Manawa, Wisconsin. The levels of benzene, ethylbenzene, toluene, trimethylbenzenes and xylenes, contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirement for case closure that are found in chapter NR 726 Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of the groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6067 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 1-: Guidance for Dealing the Properties Affected by Off-Site Contamination.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54166.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes

maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

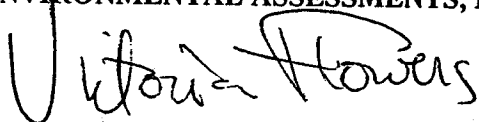
Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me or by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at (920) 749-9746 or you may contact Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54166 (715) 526-4230.

Sincerely,

ENVIRONMENTAL ASSESSMENTS, INC.



Victoria Flowers

Hydrogeologist/Project Manager

attachment

cc: file

Mr. Tom Sturm, WDNR, 647 Lakeland Road, Shawano, WI 54116

Mr. Doug Pink, Haskins Gas & Oil Company, Inc., P.O. Box 548 Lancaster, WI 53813

652145



Exhibit D
Page 1 of 5

ENVIRONMENTAL
ASSESSMENTS, INC.

July 12, 2002

Ms. Cheryl Laatsch
Oshkosh Service Center
625 E. Cty. Y
Suite 700
Oshkosh, WI 54901-9731

RE: Operation and Maintenance Plan for Permanent Asphalt Cap, according to 724.13
Sturm & Jensen Bulk Plant (Former), 1009 S. Military Avenue, Green Bay, WI
BRRTs ID# 03-69-000804

Dear Ms. Laatsch;

Attached is a document that serves as an operation and maintenance plan according to 724.13. This plan outlines the methodology that will be used to ensure that the asphalt cap that currently exists over the area defined as being encumbered by the deed restriction placed on this property, is maintained in a manner as to prevent the direct contact of contaminated soils and the infiltration of surface water into the soil.

The purpose of this submittal is to obtain department approval and acknowledgment of the enclosed operation and maintenance plan for the maintenance of the asphalt cap necessary to achieve a case closure or no further action letter from the department.

If you have any questions, please contact me at (920)749-9746.

Sincerely,

ENVIRONMENTAL ASSESSMENTS, INC.


Victoria Flowers
Hydrogeologist/Project Manager

attachment

cc: Haskins Gas & Oil Company, Inc., c/o Mr. Douglas Pink, P.O. Box 548, Lancaster, WI
54813
file



Document Number

DEED RESTRICTION

 WAUPACA COUNTY
 RECEIVED FOR RECORD

SEP 24 2002

 AT 2 O'CLOCK ^{9m} P.M.
 GEORGE E. JORGENSEN
 REGISTER OF DEEDS (7)

Declaration of Restrictions

In Re: The property described in Exhibit A hereby attached
 and made a part of this restriction.

STATE OF WISCONSIN)
) ss
 COUNTY OF WAUPACA)

WHEREAS, Steven R. and Jodi J. Holzbauer are the
 owners of the above-described property.

WHEREAS, one or more petroleum discharges have
 occurred on this property. Petroleum-contaminated soil
 above ch. NR 720 Wis. Adm. Code soil standards remains on
 this property at the following locations: Soil Boring Soil
 Sample 3 (SB3) for Gasoline Range Organics (GRO) and
 Diesel Range Organics (DRO), SB4 for DRO, SB5 for GRO and DRO, SB6 for GRO,
 Monitoring Well Location 10 (MW10) for DRO, and MW11 for GRO, DRO and
 Benzene. Levels of remaining contamination and corresponding map identifying the
 locations of the soil borings and monitoring wells are included as Exhibits B and C, all of
 which are attached and made part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property
 restrictions which will make it unnecessary to conduct further soil remediation activities
 on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above
 is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and
 improved subject to the following limitation and restrictions:

The following activities are prohibited on that portion of the property described
 above where a cap or cover has been placed, as shown on Exhibit C, unless prior
 written approval has been obtained from the Wisconsin Department of Natural
 Resources or its successor or assign: (1) Excavating or grading of the land
 surface; (2) Filling on the capped area; (3) Plowing for agricultural cultivation;
 and (4) Construction or installation of a building or other structure with a
 foundation that would sit on or be placed within the cap or cover. In addition, the
 cap or cover shall be maintained in compliance with a plan, prepared and

Recording Area

Name and Return Address

Environmental Assessments, Inc
 P.O. Box 9127
 Appleton WI

 31-21-75-3
 Parcel Identification Number (PIN)

submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code, 1999.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 24th day of September, 2002.

Signature: Steven R. Holsbauer
Printed Name: Steven R. Holsbauer

Signature: _____
Printed Name: _____

Subscribed and sworn to before me
this 24th day of September, 2002.

Deborah Holsbauer-Hodsdad
Notary Public, State of WI
My commission 7-24-05

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by Environmental Assessments, Inc.

652145

Executive Summary

This document provides an operation and maintenance plan for the impermeable cap at the Former Sturm & Jensen Bulk Plant site located at 1009 Depot Street, Manitowoc, Wisconsin. This plan is developed in accordance with s. NR 724.13(2), Wisconsin Administrative Code.

Presently, the location of the former bulk plant site is owned by Mr. Steven Holzbauer who lives at 406 N. Bridge Street, Manawa, WI. On February 19, 2002, Mr. Holzbauer was contacted by certified letter, per NR 726, notifying him of the presence of groundwater contamination at the Former Sturm & Jensen site. Currently the site is being used for storage by Mr. Holzbauer. There are no known underground storage tanks (USTs) or aboveground storage tanks (ASTs) at the site. Previous to this, the site had been the location of a bulk petroleum distribution facility. Historically a total of eighteen USTs and AST for gasoline, diesel fuel and kerosene bulk storage tanks have been recorded for this location. The operation of this location as a bulk and retail distribution facility was discontinued on November 24, 1998 and removal of the last known tanks was performed on June 16, 2001.

This location has also been the subject of a remedial site investigation that was granted conditional case closure on May 22, 2002 with a groundwater use restriction, maintenance of an impermeable cap and notification to the City of Manawa.

SITE DETAILS

The site is approximately 5,838 square feet and contains one building approximately 1,060 square feet situated in the southwestern corner of the property. It is bordered on the west by several vacant lots and the City of Manawa's Municipal Supply Well #3 (MSW3), south by a residence, east by Depot Street and north by Roberts Street and the Chicago Northwestern Railroad track right-of-way. Surface covering of the area of site where most of the groundwater contamination is identified is asphalt.

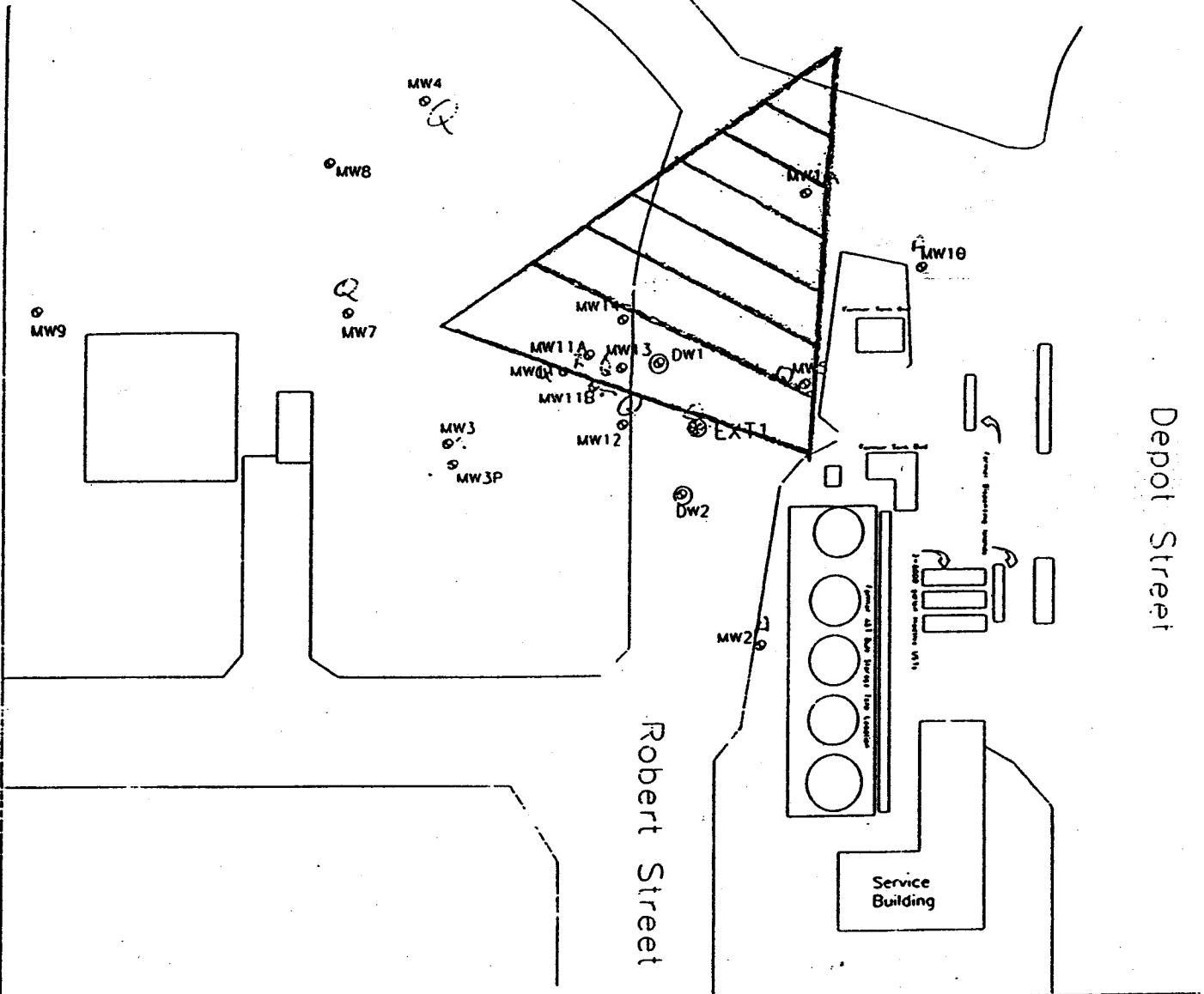
The site address is identified as 1009 Depot Street in the city of Manawa and is described by document number 35067 at the Waupaca County Register of Deeds.

MAINTENANCE PLAN

As a requirement of receiving conditional closure, the WDNR has requested that an operation & maintenance plan containing the elements outlined in NR 724.13 (2) be presented. The observation and maintenance of the impermeable cap will be performed by Haskins Gas & Oil Company, Inc. personnel and the city of Manawa. Routine inspections of the surface will be performed annually during the spring of the year by Haskins and defects in the asphalt will be reported to the city of Manawa. A chart that documents these inspections will be maintained locally at a branch office located at 150 W. Howard Street for review if necessary. The observations made will be whether significant cracks exist to allow for the penetration of groundwater to the soil, or if damage to the surface covering will impair the integrity of the cap. If deficiencies are noted hot tar patch will be applied to correct the problem.

Exhibit B & Exhibit C

652145



Legend

	Extraction Well (Location for oxygen delivery (EXT))
	Specified oxygen delivery well
	Current Monitoring Well Location

Soil Performance
Cap Area, as part
of Deed Restriction



ENVIRONMENTAL
ASSESSMENTS, INC.
APPLETON WISCONSIN

PROJECT/CLIENT

Sturm and Jensen

TITLE

Site Layout Map

DRAWN BY

Victoria A. Flowers

SCALE

1" = 50'

FIGURE NO. 2